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Microhotplate; Porous Si micromachining; Explosive gas detection; Calorimetric gas sensing (Dücső, C. (95) 189)

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Hydrocarbon detection; Xerogel layer; Inclined-beam excitation (Cherif, K. (95) 97)

Organic phase enzyme electrode

Hydroperoxide; Analysis (Campanella, L. (95) 321)

Organophosphorus

Love wave sensor; Humid air; Transient parameters; Principal component analysis (Mazein, P. (95) 51)

Organophosphorus hydrolase

Dual amperometric/potentiometric biosensor chip; Pesticide (Schöning, M.J. (95) 291)

Oxygen sensor

Undoped ceria; Cerium oxide; Thin film; Semiconductor sensor; Gas sensor (Jasinski, P. (95) 73)

Oxyger

Tin oxide; Metal; Gold; Electrical conductivity; Space charge area (Montmeat, P. (95) 83)

Pattern recognition

Quartz microbalance; Electronic nose; Aroma; Cheese; Emmental ripening (Bargon, J. (95) 6)

Pesticide

Dual amperometric/potentiometric biosensor chip; Organophosphorus hydrolase (Schöning, M.J. (95) 291)

pH sensor

ISFET; EnFET; Urea sensor (Sant, W. (95) 309)

Phase space

Sensor dynamic; Feature extraction (Martinelli, E. (95) 132)

Phthalocyanine

Bisphthalocyanine; Langmuir–Blodgett film; Carbon paste electrode; Electronic tongue (Arrieta, A. (95) 357)

Piezoelectric substrates

Quartz crystals; PZT ceramics; Mass sensors (Veríssimo, M.I.S. (95) 25)
Porous Si micromachining

Microhotplate; Explosive gas detection; Calorimetric gas sensing; Olfactory imaging (Dücső, C. (95) 189)

Porous silicon

Humidity sensor; Effective heating (Fürjes, P. (95) 140)

Porous silicon

Thermal sensors; Micro-hotplates (Tsamis, C. (95) 78)

Porphyrin

Sensors; Cross-selective electrodes (Paolesse, R. (95) 400)

Portable system

Microfluidic device; BTX gases; Automatic measurement; Mesoporous silicate (Ueno, Y. (95) 282)

Potentiometric biosensor

EIS; Garlic; Alliin (Keusgen, M. (95) 297)

Potentiometric biosensor

Terbuthylazine; Environmental monitoring; Monoclonal antibodies (Mosiello, L. (95) 315)

Potentiometric glucose biosensor

All-solid-state potentiometric 'electronic tongue'; Cross-sensitive potentiometric sensors; Taste of green tea (Lvova, L. (95) 391)

PQQ-alcohol dehydrogenase

Gas detection; Sensitivity mechanism; Electrical properties; Contact; Biosensor; Quino-hemo-proteins (Šetkus, A. (95) 344)

Principal component analysis

Electronic nose; Static headspace/gas chromatography/mass spectrometry (Taurino, A.M. (95) 123)

Principal component analysis

Love wave sensor; Organophosphorus; Humid air; Transient parameters (Mazein, P. (95) 51)

PU foam

"Electronic nose"; Sensory analysis; Gas chromatography/mass spectrometry; Automotive (Morvan, M. (95) 212)

Quartz crystals; Piezoelectric substrates; Mass sensors (Veríssimo, M.I.S. (95) 25)

OCM sensors

Data acquisition; Resonant sensors; Remote access; Impedance analyser (Auge, J. (95) 32)

Quartz crystal microbalance (QCM)

Absorber; Odor (Nieß, J. (95) 1)

Quartz crystals

PZT ceramics; Piezoelectric substrates; Mass sensors (Veríssimo, M.I.S. (95) 25)

Quartz microbalance

Electronic nose; Aroma; Cheese; Emmental ripening; Pattern recognition (Bargon, J. (95) 6)

**Quartz** microbalance

Electronic nose; Odour; Biofilter (Hamacher, T. (95) 39)

Ouino-hemo-proteins

PQQ-alcohol dehydrogenase; Gas detection; Sensitivity mechanism; Electrical properties; Contact; Biosensor (Setkus, A. (95) 344)

Rapid mixing

Microfluidics; Micromixer; Reaction kinetics studies; Static mixing elements (Wong, S.H. (95) 414)

Ratiometric sensor array

Smart sensor; ASIC; Resistive gas sensor; Behavioural models (García-Guzmán, J. (95) 232)

Reaction kinetics studies

Microfluidics; Micromixer; Rapid mixing; Static mixing elements (Wong, S.H. (95) 414)

Reliability

Thermal fatigue; FEM modeling (Puigcorbé, J. (95) 275)

Data acquisition; Resonant sensors; QCM sensors; Impedance analyser (Auge, J. (95) 32)

Resistive gas sensor

Smart sensor; ASIC; Ratiometric sensor array; Behavioural models (García-Guzmán, J. (95) 232)

Resonant sensors

Data acquisition; Remote access; QCM sensors; Impedance analyser (Auge, J. (95) 32)

Scanning light pulse technique

Gas sensors; Chemical images; Field-effect devices (Filippini, D. (95) 116)

Screen-printed carbon electrode

4-(4-Ferrocenephenyliminomethyl)phenol; Ethanol; Glucose; H<sub>2</sub>O<sub>2</sub> (Razumienė, J. (95) 378)

Seebeck effect

Sensors; Design rule; Migration (Liess, M. (95) 46)

Gas sensor; Carbon monoxide; Additives (Mandayo, G.Ga. (95) 90) Self-assembling

Mesoporous; Sol-gel; Humidity sensors; Alcohol sensors (Bearzotti, A.  $(95)\ 107)$ 

Self-plasticizing ion-selective membrane

Ion-selective sensors; Back-side contact chip (Wyglądacz, K. (95) 366)

Semiconductor sensor

Oxygen sensor; Undoped ceria; Cerium oxide; Thin film; Gas sensor (Jasinski, P. (95) 73)

Light-addressable potentiometric sensor (LAPS); Ion sensor; Multisensor; Miniaturisation (Yoshinobu, T. (95) 352)

Sensitivity mechanism

Gas sensors; Metal oxide; Transient response; Odour recognition (Galdikas, A. (95) 244)

Sensitivity mechanism

PQQ-alcohol dehydrogenase; Gas detection; Electrical properties; Contact; Biosensor; Quino-hemo-proteins (Šetkus, A. (95) 344)

Sensor dynamic

Phase space; Feature extraction (Martinelli, E. (95) 132)

Sensors

Design rule; Seebeck effect; Migration (Liess, M. (95) 46)

Porphyrin; Cross-selective electrodes (Paolesse, R. (95) 400)

Sensory analysis

"Electronic nose"; Gas chromatography/mass spectrometry; Automotive; PU foam (Morvan, M. (95) 212)

Signal processing

Adaptive digital filter; Hemodynamics; Bioimpedance (Papezova, S. (95) 328)

Smart sensor

ASIC; Resistive gas sensor; Ratiometric sensor array; Behavioural models (García-Guzmán, J. (95) 232)

Gas sensor; Tungsten oxide; NO2 (Choi, Y.-G. (95) 258)

Sol-gel process

Cerium oxide; Titanium oxide; Gas sensing (Trinchi, A. (95) 145)

Sol-gel

Mesoporous; Humidity sensors; Alcohol sensors; Self-assembling (Bearzotti, A. (95) 107)

Space charge area

Tin oxide; Oxygen; Metal; Gold; Electrical conductivity (Montmeat, P. (95)83)

Sputtering

Gas sensor; Copper bromide; Ammonia; Copper oxidation (Bendahan,

Static headspace/gas chromatography/mass spectrometry

Electronic nose; Principal component analysis (Taurino, A.M. (95) 123)

Static mixing elements

Microfluidics; Micromixer; Rapid mixing; Reaction kinetics studies (Wong, S.H. (95) 414)

Surface plasmon resonance

Layer-by-layer assembly; Cyanoferrate; Immunoglobulins immobilization (Snopok, B.A. (95) 336)

Gas sensor;  $In_xO_yN_z$  (Steffes, H. (95) 252)

Taste of green tea

All-solid-state potentiometric 'electronic tongue'; Cross-sensitive potentiometric sensors; Potentiometric glucose biosensor (Lvova, L. (95) 391)

Temperature cycling

Dynamic gas sensor array; Hierarchical pattern classification (Gramm, A. (95) 58)

Temperature modulation

Microhotplate; Tin oxide; Conductance model (Ionescu, R. (95) 203)

Potentiometric biosensor; Environmental monitoring; Monoclonal

antibodies (Mosiello, L. (95) 315)

Thermal fatigue

Reliability; FEM modeling (Puigcorbé, J. (95) 275)

Porous silicon; Micro-hotplates (Tsamis, C. (95) 78)

Thick film

NO; Amperometric sensor; Exhaust gas analysis; Multi-electrode sensor (Magori, E. (95) 162)

Thickness effect

Tungsten oxide; Nitrogen dioxide gas sensor; Thin film (Tamaki, J. (95) 111)

Thin film

Oxygen sensor; Undoped ceria; Cerium oxide; Semiconductor sensor; Gas sensor (Jasinski, P. (95) 73)

Thin film

Tungsten oxide; Nitrogen dioxide gas sensor; Thickness effect (Tamaki, J. (95) 111)

Tin oxide

Microhotplate; Temperature modulation; Conductance model (Ionescu, R. (95) 203)

Tin oxide

Oxygen; Metal; Gold; Electrical conductivity; Space charge area (Montmeat, P. (95) 83)

Tin oxide

W-Mo oxide; Gas sensing (Comini, E. (95) 157)

TiO<sub>2</sub>

Metal oxide semiconducting thin film; Lambda sensor (Francioso, L. (95) 66)

Titanium oxide

Cerium oxide; Sol-gel process; Gas sensing (Trinchi, A. (95) 145)

Transcutaneous oxygen monitoring

Wearable oxygen sensor; Gas-permeable membrane; Metal weldable membrane (Mitsubayashi, K. (95) 373)

Transient parameters

Love wave sensor; Organophosphorus; Humid air; Principal component analysis (Mazein, P. (95) 51)

Transducer sensitivity

HSGFET; Work function; Guard ring; Floating gate GasFET (Burgmair, M. (95) 183)

Transient response

Gas sensors; Metal oxide; Sensitivity mechanism; Odour recognition (Galdikas, A. (95) 244)

Tunable diode laser

Absorption; NIR-spectroscopy (Hennig, O. (95) 151)

Tungsten oxide

Gas sensor; Sol; NO<sub>2</sub> (Choi, Y.-G. (95) 258)

Tungsten oxide

Nitrogen dioxide gas sensor; Thin film; Thickness effect (Tamaki, J. (95) 111)

Ultrasonic

Microfluidic; Microengineering (Harris, N.R. (95) 425)

Undoped ceria

Oxygen sensor; Cerium oxide; Thin film; Semiconductor sensor; Gas sensor (Jasinski, P. (95) 73)

Urea sensor

ISFET; EnFET; pH sensor (Sant, W. (95) 309)

W-Mo oxide

Tin oxide; Gas sensing (Comini, E. (95) 157)

Wearable oxygen sensor

Transcutaneous oxygen monitoring; Gas-permeable membrane; Metal weldable membrane (Mitsubayashi, K. (95) 373)

WO3 gas sensor

Humidity effects; Dynamic signal processing; Feature extraction (Ionescu, R. (95) 177)

Work function

BaCO<sub>3</sub>; NiO; CO<sub>2</sub>; NO<sub>x</sub>; Kelvin probe (Ostrick, B. (95) 271)

Work function

HSGFET; Transducer sensitivity; Guard ring; Floating gate GasFET (Burgmair, M. (95) 183)

Xerogel layer

Hydrocarbon detection; Optical fiber; Inclined-beam excitation (Cherif, K. (95) 97)